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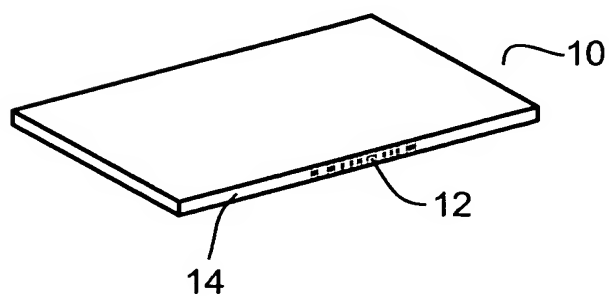


Fig. 1a

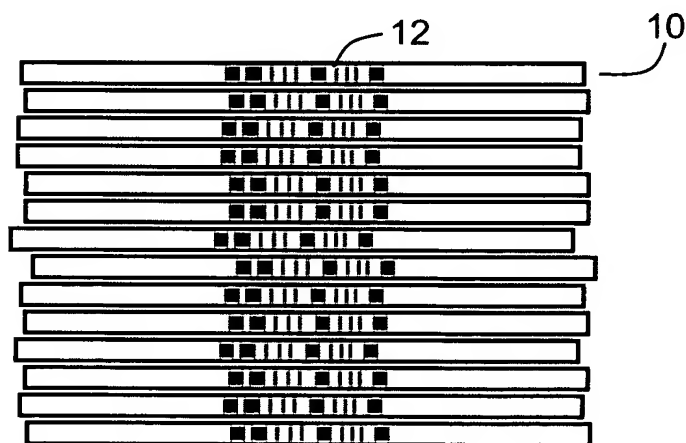


Fig. 1b

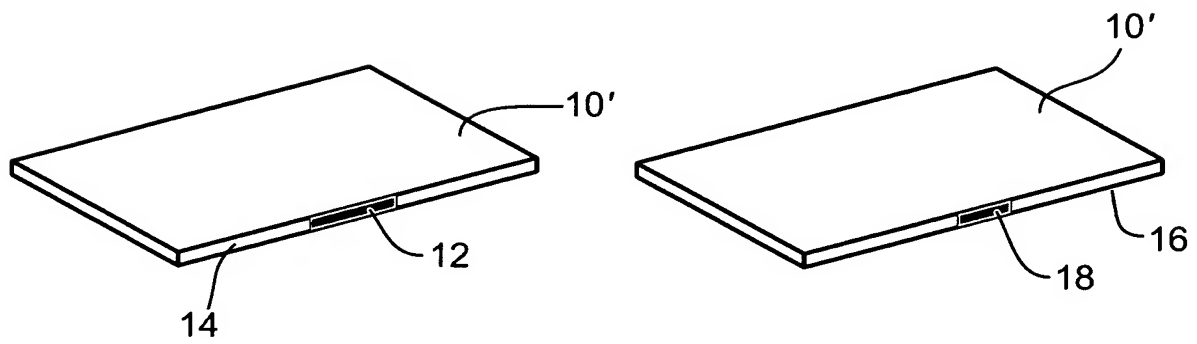


Fig. 2a

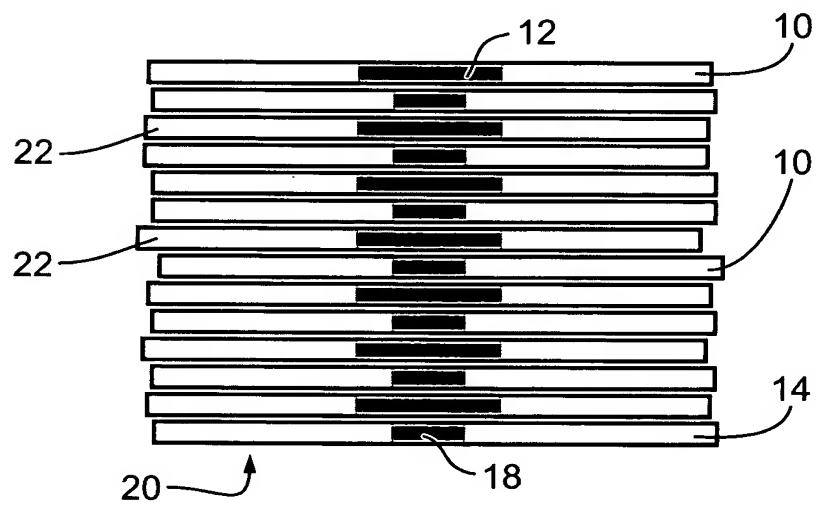


Fig. 2b

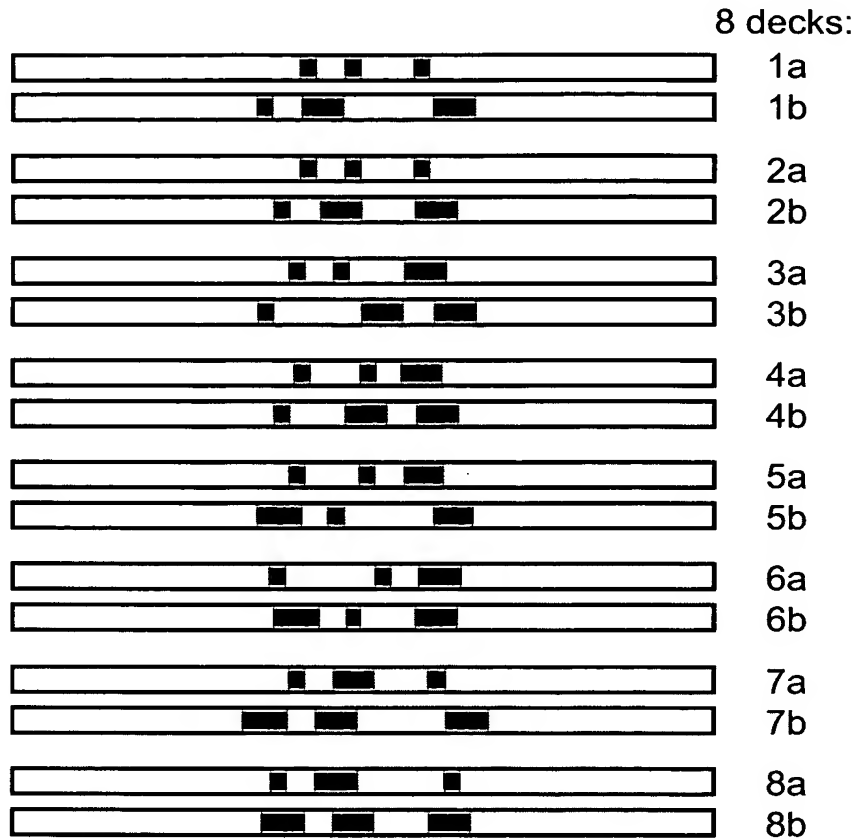
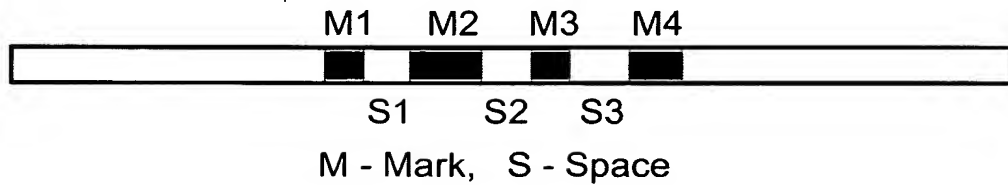


Fig. 3



| Deck # | Deck id | M1 width | S1 width | M2 width | S2 width | M3 width | S3 width | M4 width | Pattern |
|--------|---------|----------|----------|----------|----------|----------|----------|----------|---------|
| 1      | 1       | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | ....    |
| 2      | 2       | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | 1.6      | ....    |
| 3      | 19998   | 1.6      | 1.6      | 1.6      | 4.0      | 4.0      | 4.0      | 2.4      | .. ..   |
| 4      | 19999   | 1.6      | 1.6      | 1.6      | 4.0      | 4.0      | 4.0      | 3.2      | .. ..   |
| 5      | 78124   | 4.0      | 4.0      | 4.0      | 4.0      | 4.0      | 4.0      | 3.2      | — — — — |
| 6      | 78125   | 4.0      | 4.0      | 4.0      | 4.0      | 4.0      | 4.0      | 4.0      | — — — — |

\* All dimensions are in mm

Fig. 4

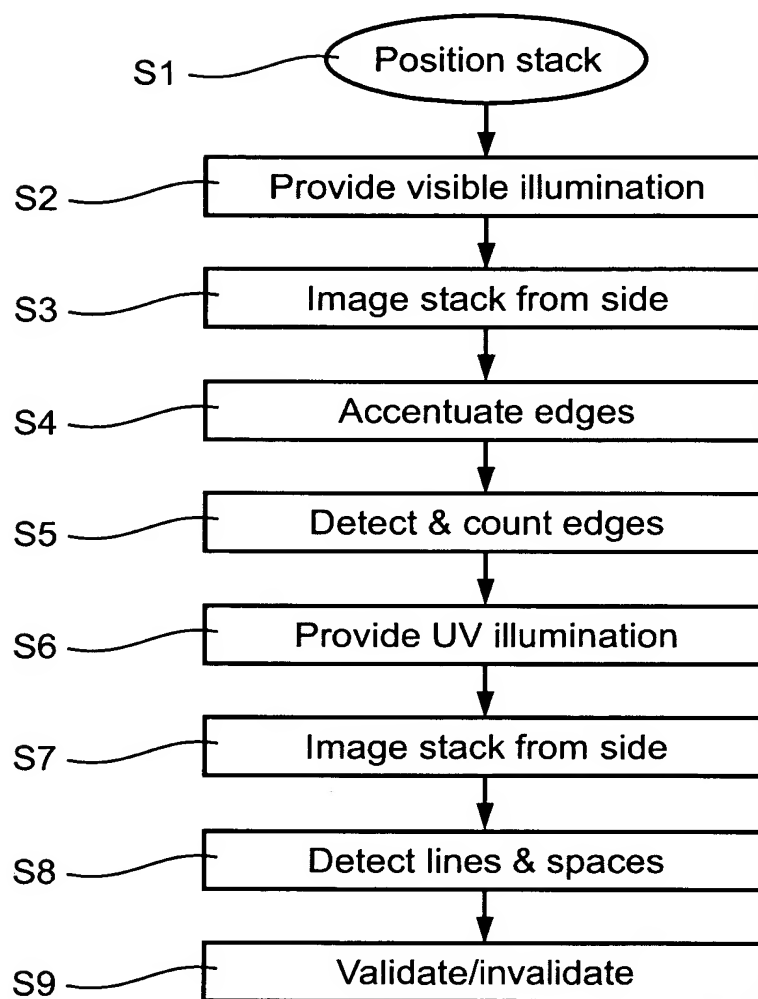


Fig. 5

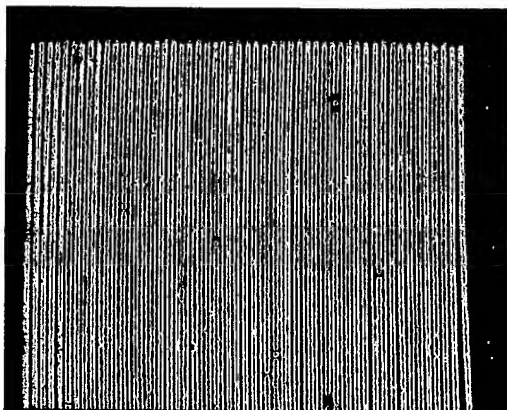


Fig. 6  
Image acquired under visible light  
(Image acquisition module)

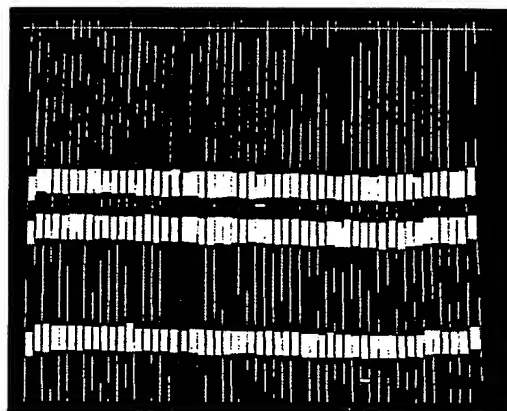


Fig. 8  
Image acquired under UV light  
(Image acquisition module)

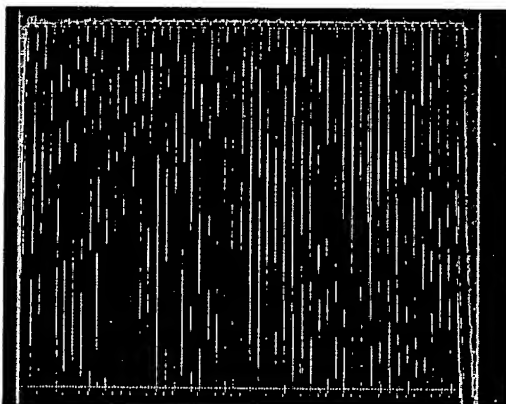


Fig. 7  
Card detection and marking  
(Counting module)

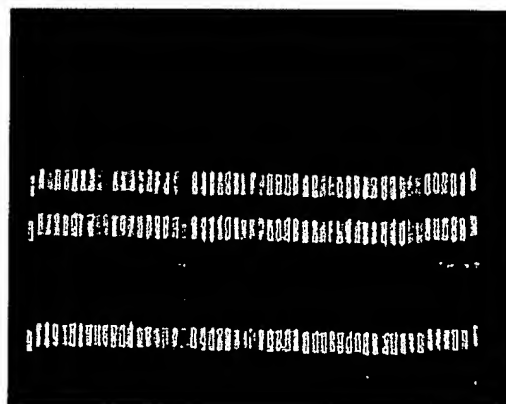


Fig. 9  
Bars and spaces detection  
(Validation module)

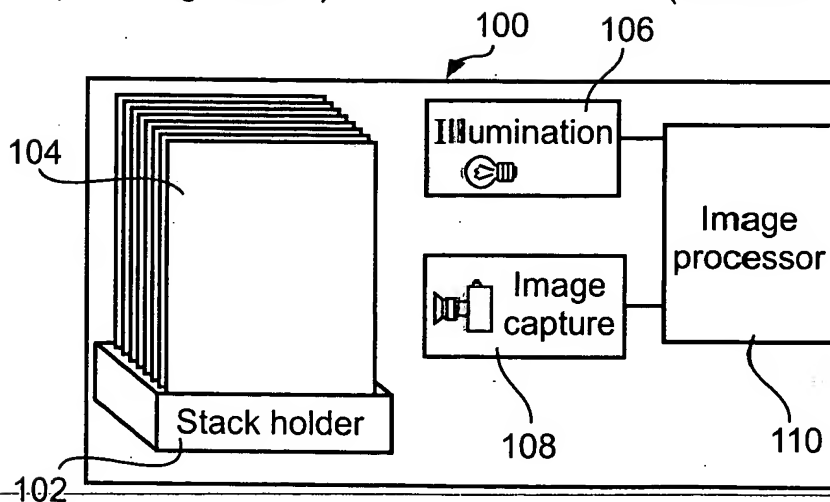


Fig. 10

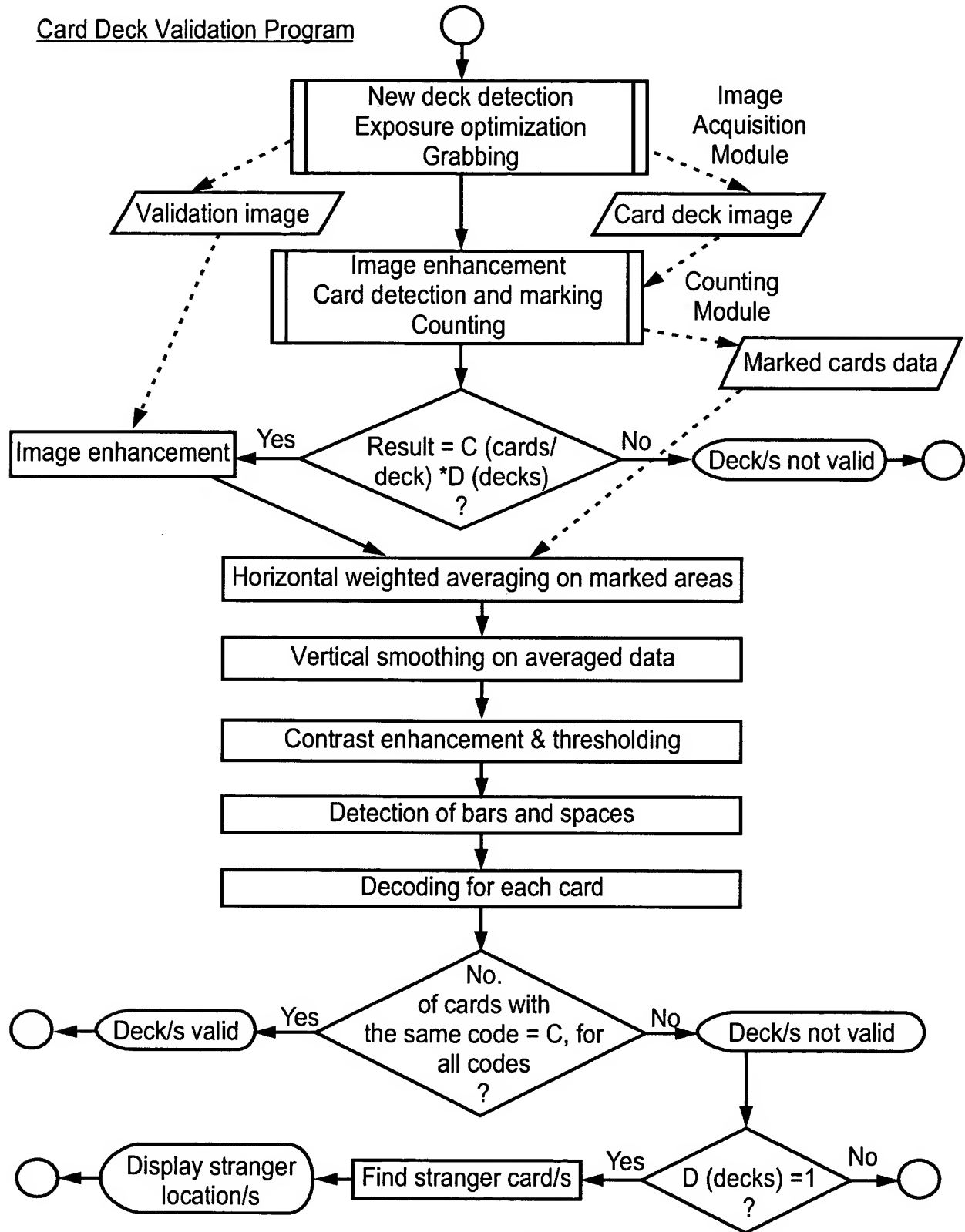


Fig. 11

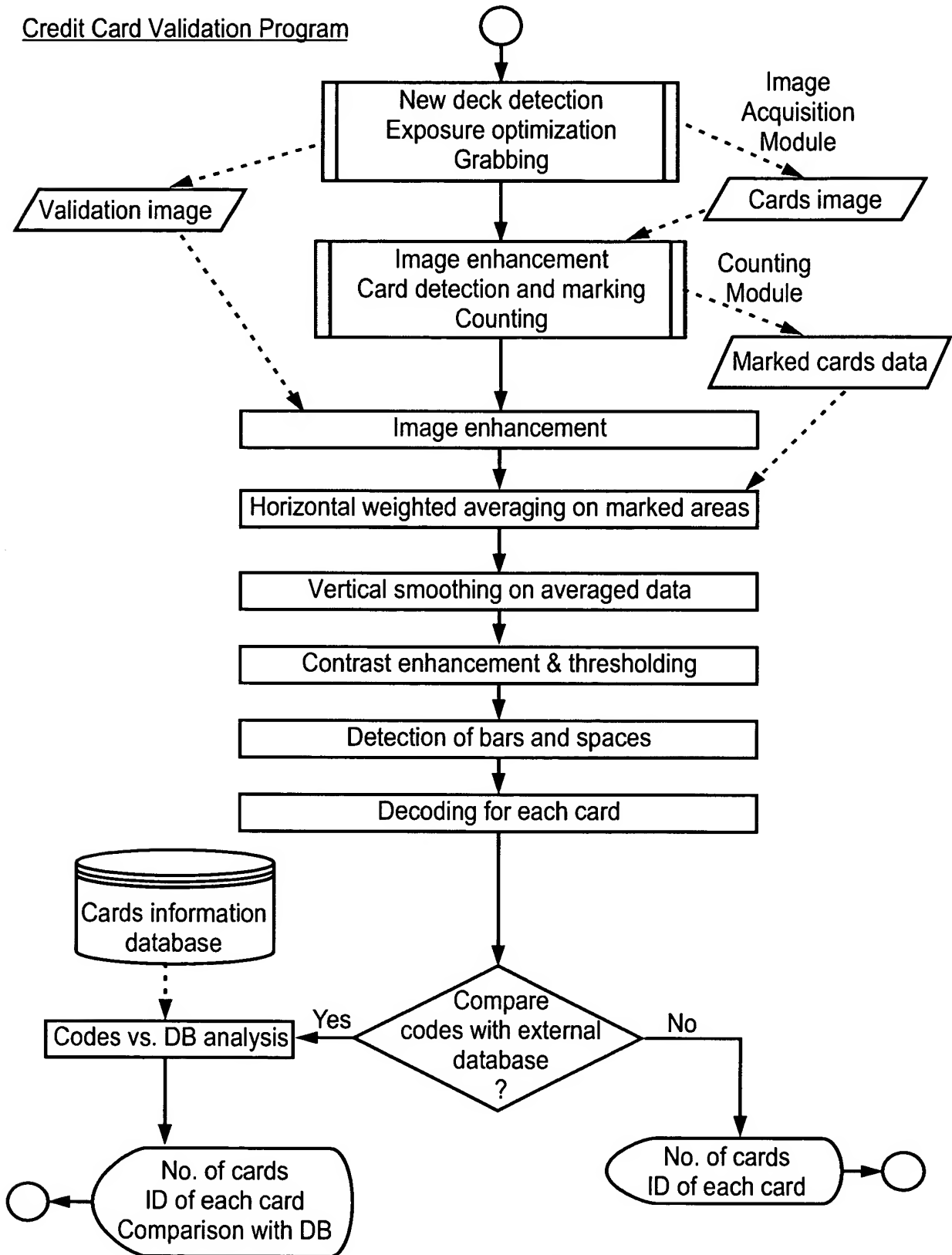


Fig. 12